

# CEC Forecasting Workshop

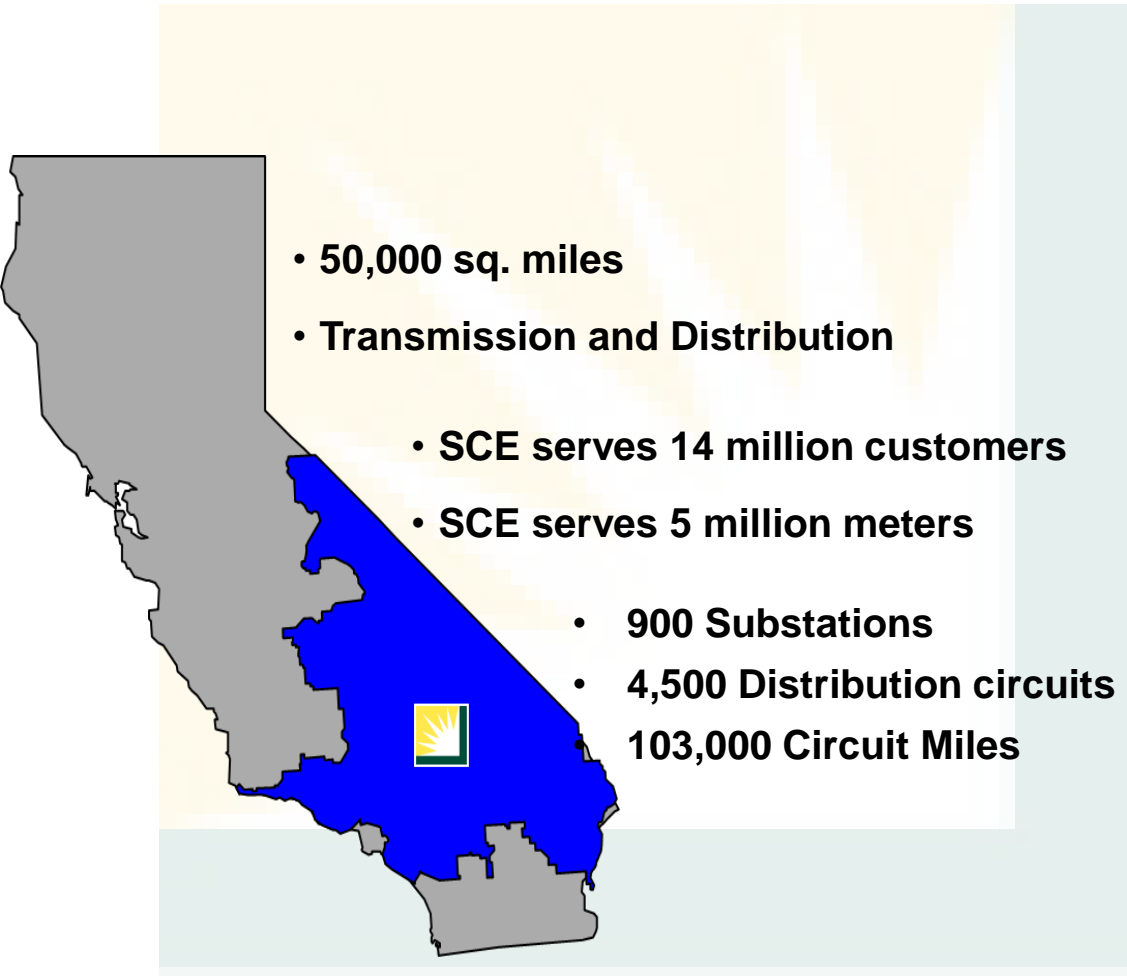
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Benjamin Lee

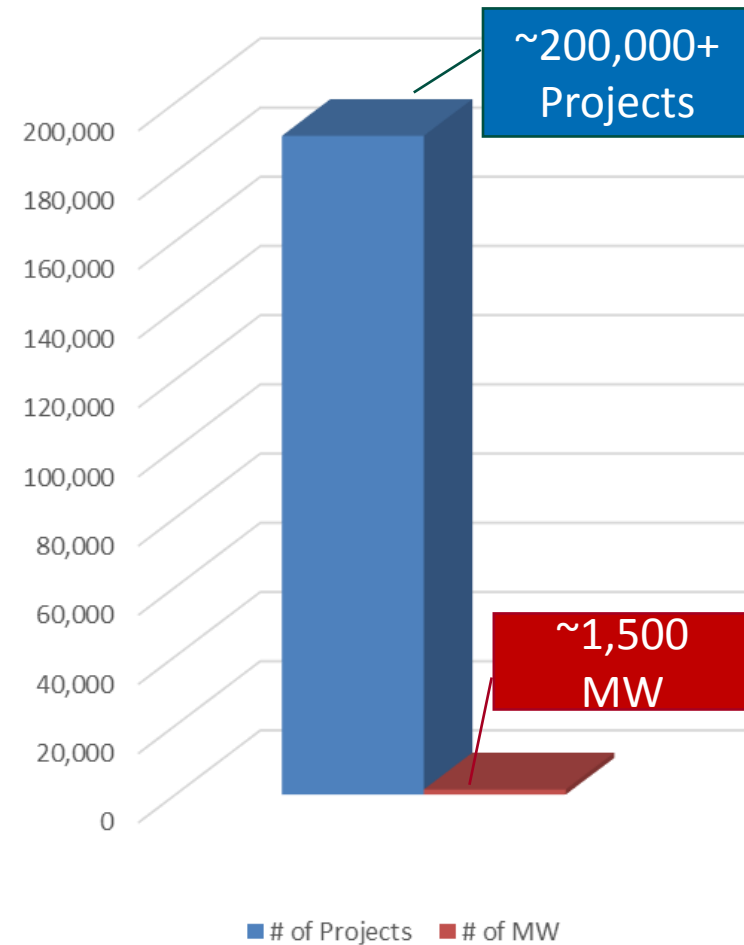
Grid Modernization, Planning & Technology  
Planning & Operations Modernization

# SCE Overview

## SCE's Territory

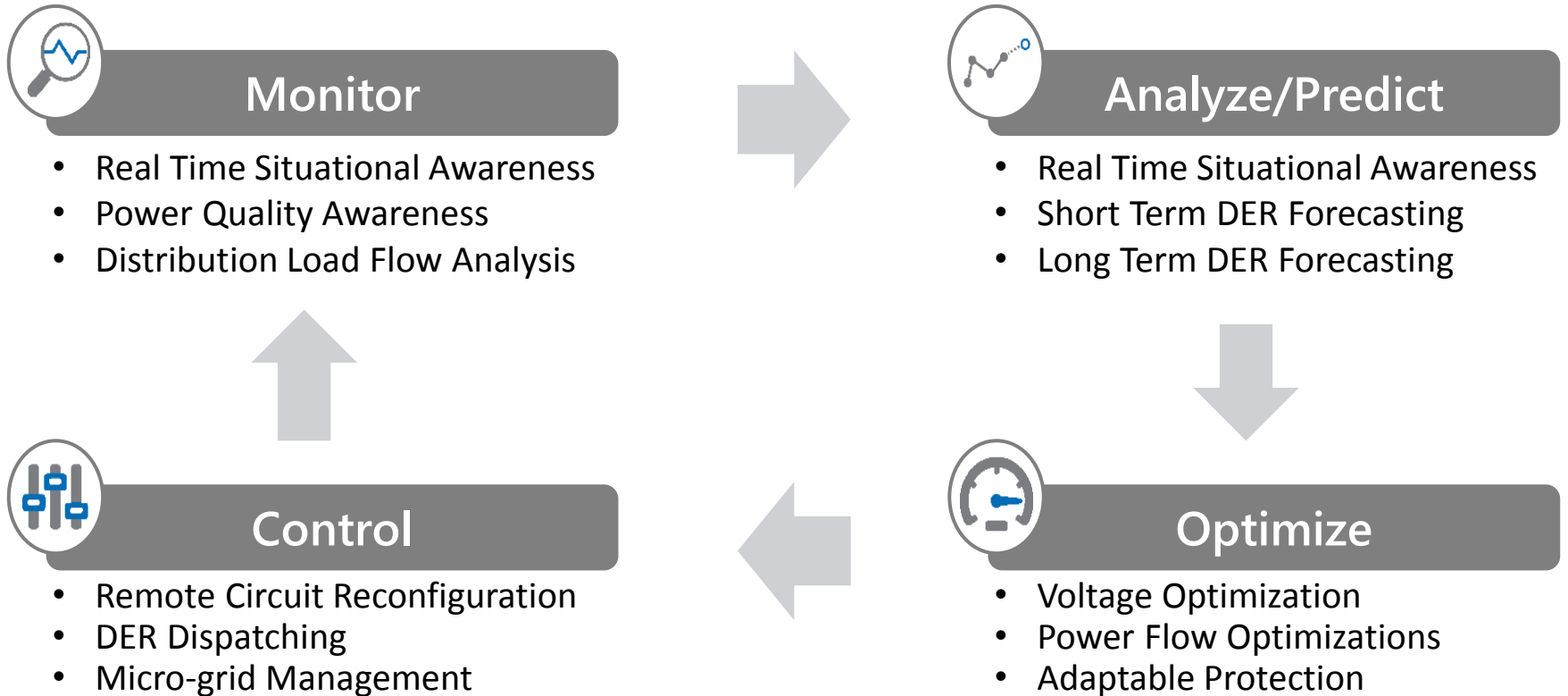


## SCE's NEM Portfolio



# Capabilities of a Modern Grid

The Distribution Grid will require new capabilities to have better awareness of what is happening on the grid at all times, and be able to plan for various conditions



# Utility Grid Modernization



## Advanced Capabilities

Development of intelligent substations and advanced automation of distribution circuits



## Technology Platforms

Improving the customer experience, infrastructure planning, and addressing Cybersecurity



## Communications Networks

Expansion of fiber and radio communications to enable high speed and high bandwidth to support automation and analytics



## Grid Reinforcement

Making the grid more robust through an integrated planning, asset management, and technology strategy

# Types of Utility Forecasts

There are multiple types of utility forecasts. Each has slightly different focus, drivers, and considerations

- **Short Term Forecasting**

*Heavily influenced by weather conditions*

- **Demand Forecasting**

- Capacity or Reliability Focused

- **Energy Forecasting**

- Energy Resource & Procurement Focused

- **Long Term Forecasting**

*Influenced by weather, and other long term factors such as economics, land use, etc...*

- **Demand Forecasting**

- Capacity or Reliability Focused

- **Energy Forecasting**

- Energy Resource & Procurement Focused